

USPTO Serial Number: 10/783,169

Pannell et al.

Reply to Office Action dated February 10, 2005

Amendment to the Claims:

1. (currently amended) A chemical distribution system, comprising:

a first portion of tubing affixed along an exterior surface of a dwelling;

a second portion of tubing affixed along structures external to the dwelling, the second portion of the tubing being connected to the first portion of tubing;

a plurality of outlets coupled to the first and second portions of tubing for dispensing a chemical solution having properties of killing living organisms; and

a ready-disconnect mechanism ~~connector~~ having a first end coupled for receiving the chemical solution and a second end coupled to the first or second portions of tubing to readily disengage a source of the chemical solution from the first or second portions of tubing.

2. (Original) The chemical distribution system of claim 1, wherein the first portion of tubing is attached to the exterior surface of the dwelling with a plurality of clamps.

3. (Original) The chemical distribution system of claim 2, wherein the plurality of clamps are form-fitted to the first portion of tubing.

4. (Original) The chemical distribution system of claim 1, wherein the first and second portions of tubing include a plurality of openings for receiving the plurality of outlets.

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5. (Original) The chemical distribution system of claim 1, wherein the first and second portions of tubing are solid and require openings to be formed for receiving the plurality of outlets.

6. (Original) The chemical distribution system of claim 1, wherein the second portion of tubing is routed along fence pillars.

7. (Original) The chemical distribution system of claim 1, wherein the outlet includes a nozzle having an aperture for dispensing the chemical solution.

8. (Original) The chemical distribution system of claim 7, wherein the aperture of the nozzle is adjustable.

9. (Original) The chemical distribution system of claim 1, wherein the first and second portions of tubing are exposed for maintenance.

10. (Original) The chemical distribution system of claim 1, wherein the connector includes a quick-connect fitting.

11. (Original) The chemical distribution system of claim 1, wherein the connector includes a lever-arm for rotation.

12. (currently amended) A fixed chemical application system, comprising:

a tubing fixed to an exterior surface;

a plurality of outlets inserted into the tubing for

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dispensing a chemical solution having properties of killing living organisms; and

a ready-disconnect mechanism ~~connector~~ having a first end coupled for receiving the chemical solution and a second end coupled to the tubing for pumping the chemical solution through the tubing to readily disengage a source of the chemical solution from the tubing.

13. (Original) The fixed chemical application system of claim 12, wherein the tubing is affixed to exterior surfaces of a dwelling and further to structures external to the dwelling.

14. (Original) The fixed chemical application system of claim 12, wherein the tubing is attached to the exterior surface with a plurality of clamps.

15. (Original) The fixed chemical application system of claim 14, wherein the plurality of clamps are form-fitted to the tubing.

16. (Original) The fixed chemical application system of claim 12, wherein the tubing includes a plurality of openings for receiving the plurality of outlets.

17. (Original) The fixed chemical application system of claim 12, wherein the tubing is solid and requires openings to be formed for receiving the plurality of outlets.

18. (Original) The fixed chemical application system of claim 12, wherein each outlet includes a nozzle having an

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aperture for dispensing the chemical solution.

19. (Original) The fixed chemical application system of claim 18, wherein the aperture of the nozzle is adjustable.

20. (currently amended) A method of dispensing a chemical solution having properties of killing living organisms, comprising:

connecting a source of the chemical solution to one end of a tubing which is affixed to exterior surfaces, wherein the tubing ~~including outlets~~ is adapted for ready disconnect from a source of the chemical solution; and

pumping the chemical solution through the tubing for dispensing the chemical solution from the outlets.

21. (Original) The method of claim 20, wherein the chemical solution is a pesticide, herbicide, or fertilizer.

22. (Original) The method of claim 20, wherein the tubing is attached to the exterior surfaces with a plurality of clamps.

23. (Original) The method of claim 20, wherein the plurality of clamps are form-fitted to the tubing.

24. (Original) The method of claim 20, wherein the tubing is solid and requires openings to be formed for receiving the plurality of outlets.

25. (Original) The method of claim 20, wherein the outlet includes a nozzle having an aperture for dispensing the chemical

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solution.

26. (Original) The method of claim 25, wherein the aperture of the nozzle is adjustable.

27. (Original) The method of claim 20, further including the step of providing a connector with a quick-connect fitting for connecting to the source of the chemical solution.

28. (currently amended) A method of applying a chemical solution having properties of killing living organisms through a fixed chemical distribution system, comprising:

installing a fixed chemical distribution system on a property, the installation including the step of affixing a tubing having a plurality of outlets to exterior surfaces in and around the property;

pumping the chemical solution through the tubing to dispense the chemical solution to target areas on the property; and  
disconnecting the chemical solution from the tubing.

29. (Original) The method of claim 28, wherein the chemical solution is a pesticide, herbicide, or fertilizer.

30. (Original) The method of claim 28, wherein the tubing is affixed to the exterior surfaces with a plurality of clamps.

31. (Original) The method of claim 28, wherein the outlet includes a nozzle having an aperture for dispensing the chemical solution.

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32. (Original) The method of claim 28, further including the step of providing a connector with a quick-connect fitting for connecting to a source of chemical solution to the tubing.

33. (currently amended) A method of applying a chemical solution having properties of killing living organisms, comprising:

connecting a source of the chemical solution to a fixed chemical distribution system installed on a property, the fixed chemical distribution system including a tubing having a plurality of outlets and being affixed to exterior surfaces on the property;

pumping the chemical solution through the tubing to dispense the chemical solution to target areas on the property; and

disconnecting the source of the chemical solution from the fixed chemical distribution system.

34. (Original) The method of claim 33, wherein the chemical solution is a pesticide, herbicide, or fertilizer.

35. (Original) The method of claim 33, wherein the tubing is affixed to the exterior surfaces with a plurality of clamps.

36. (Original) The method of claim 33, wherein the outlet includes a nozzle having an aperture for dispensing the chemical solution.

37. (Original) The method of claim 33, further including the step of providing a connector with a quick-connect fitting for connecting to the source of chemical solution to the tubing.